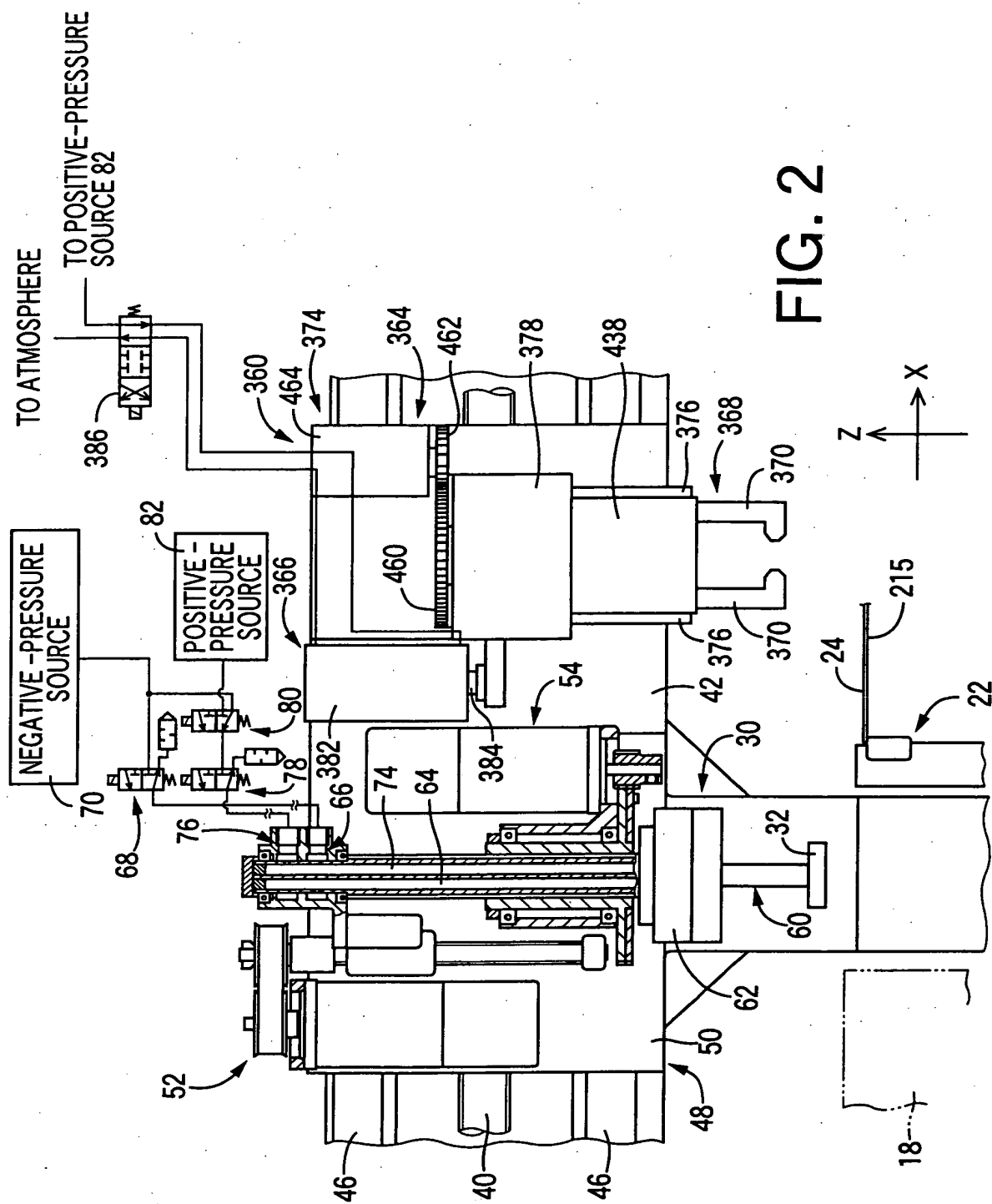


FIG. 1



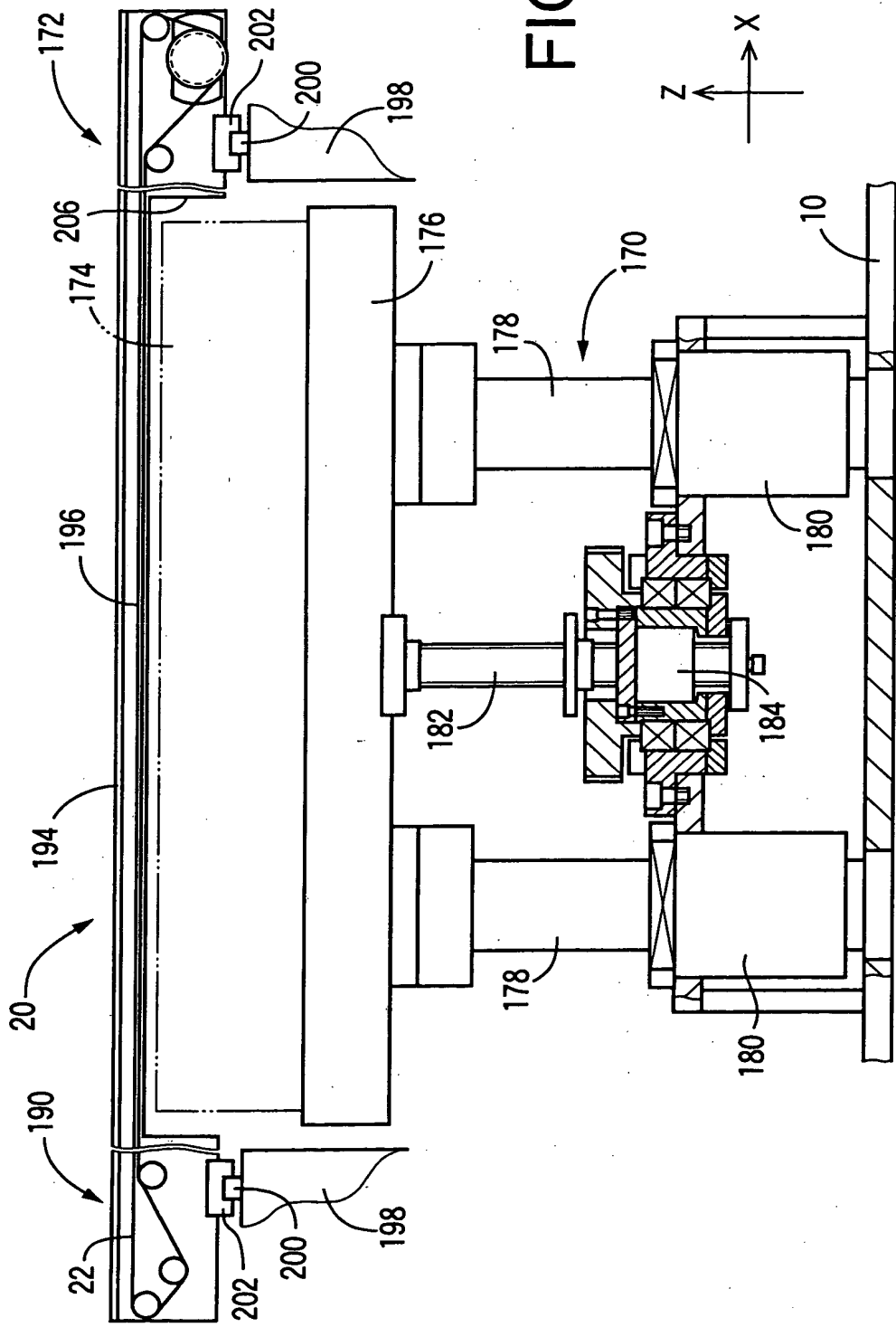


FIG. 3

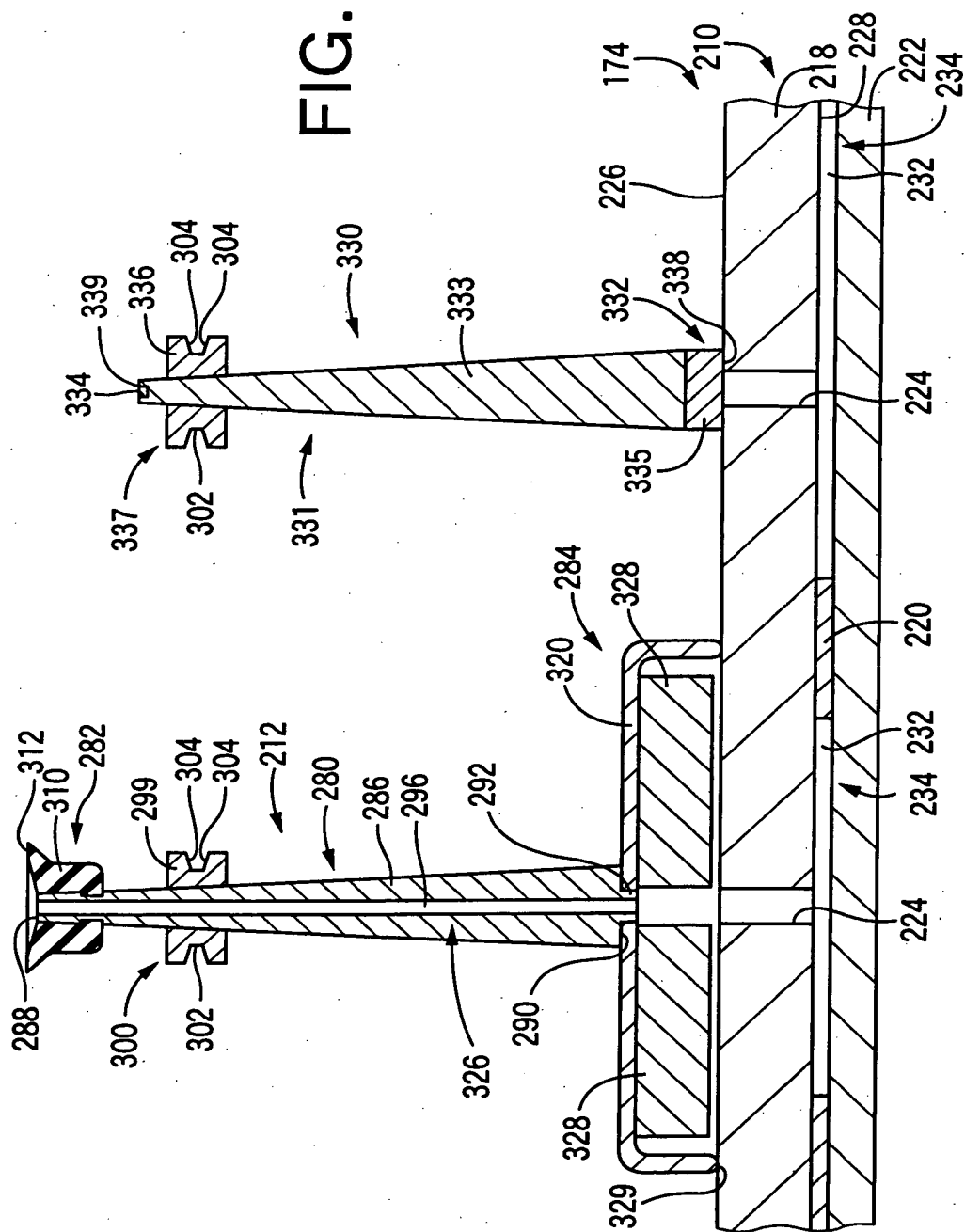


FIG. 5

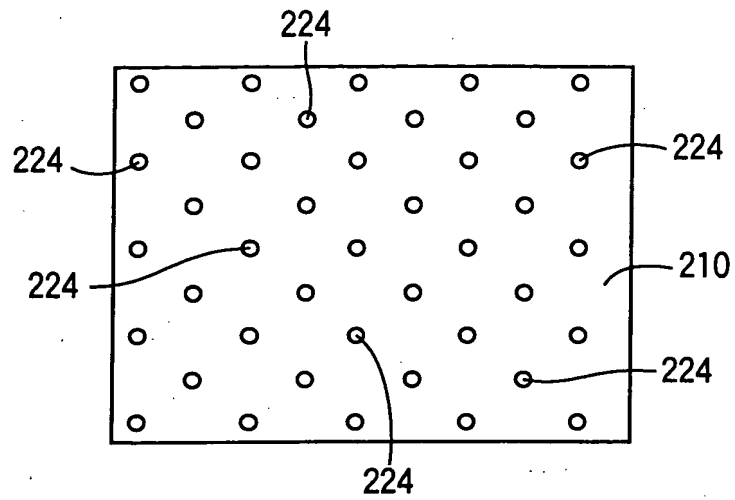
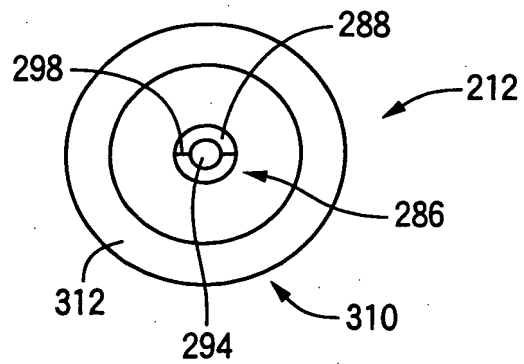
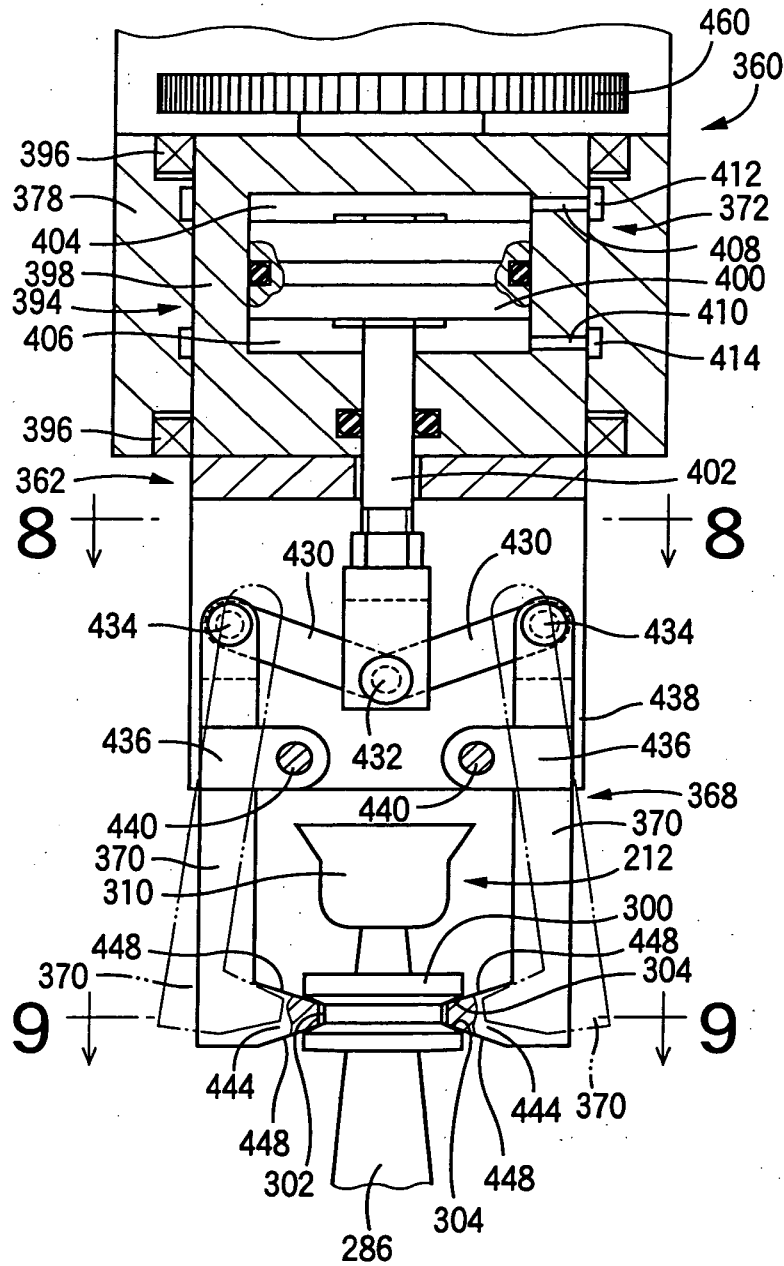


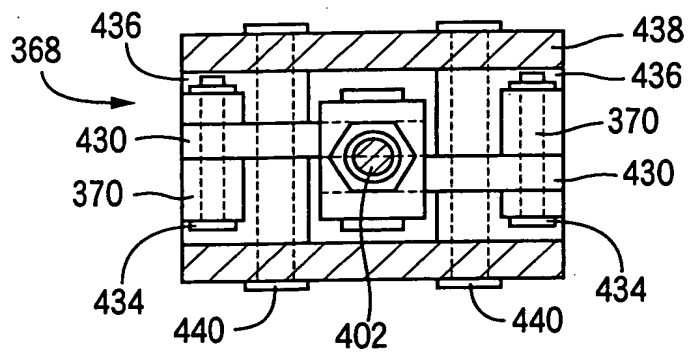
FIG. 6



# FIG. 7



# FIG. 8



# FIG. 9

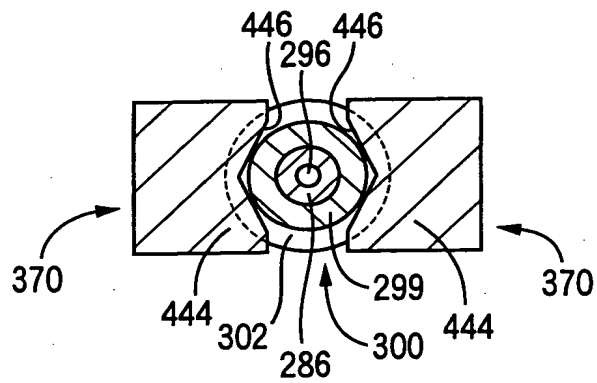
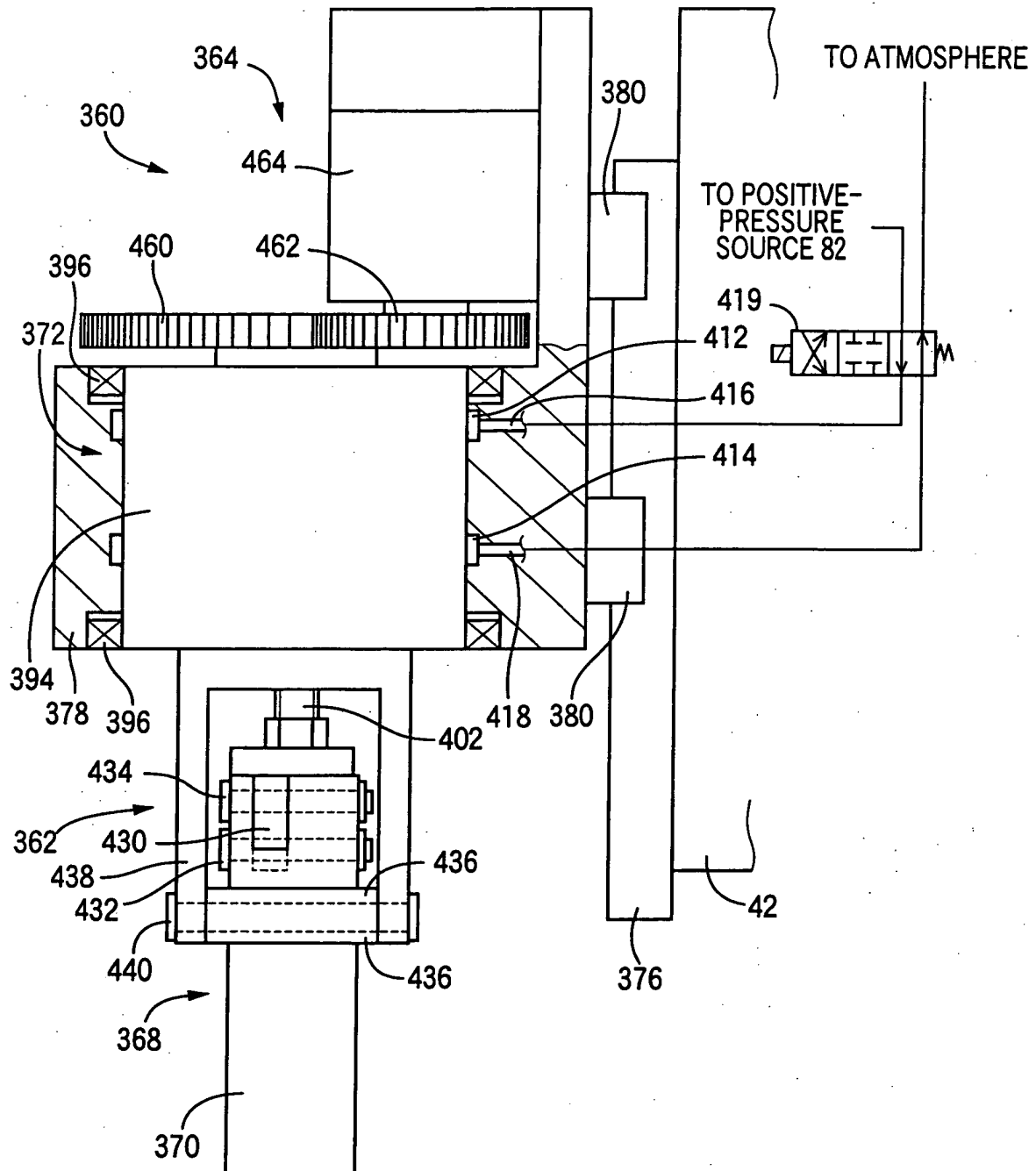


FIG. 10





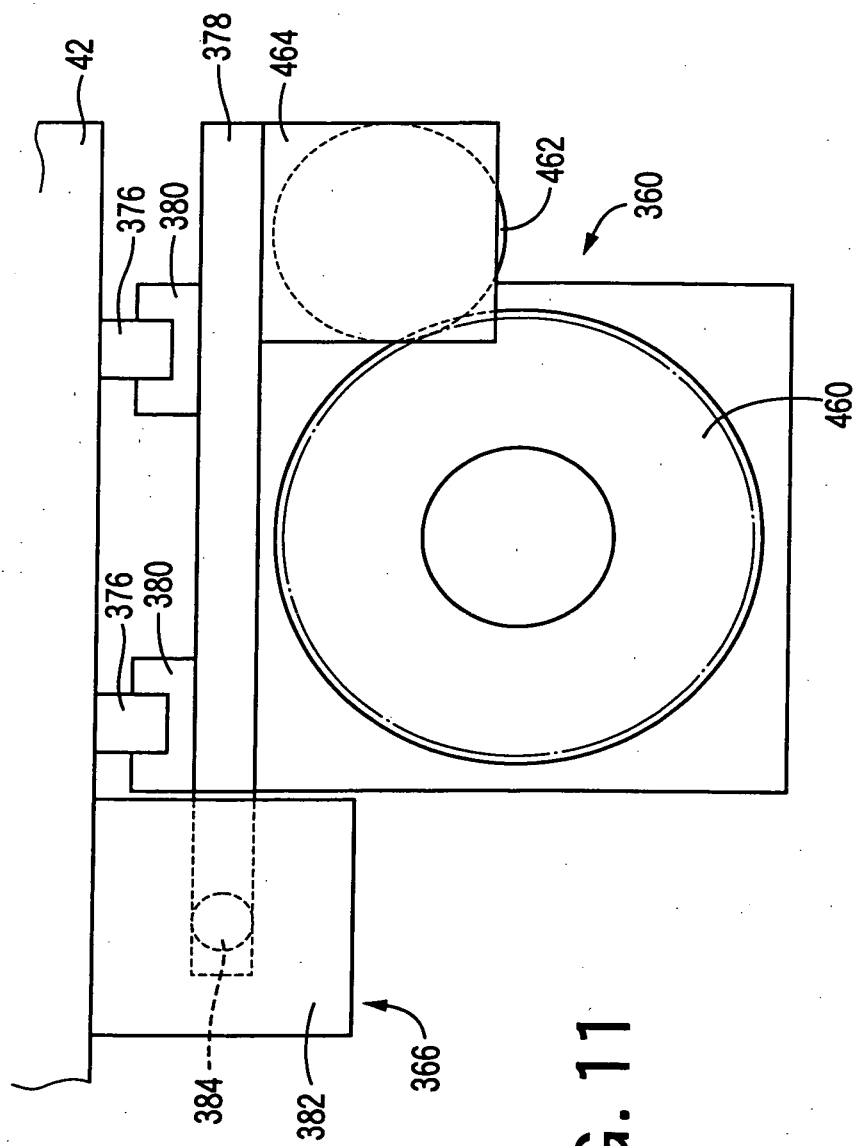
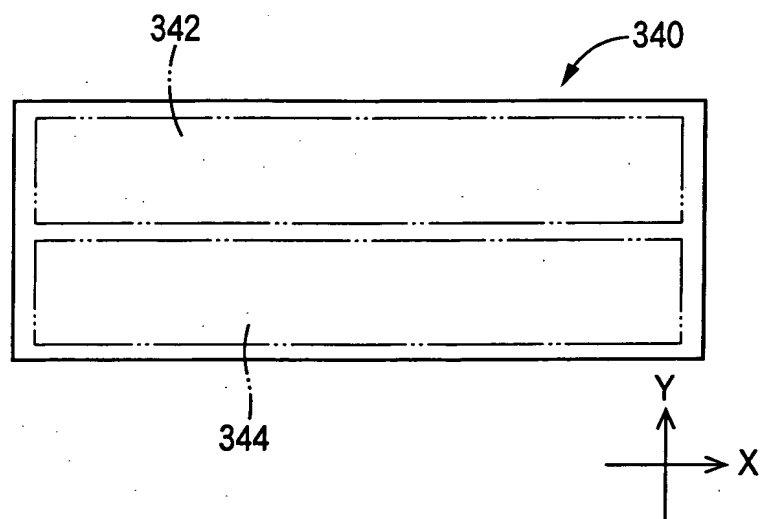


FIG. 11

FIG. 12



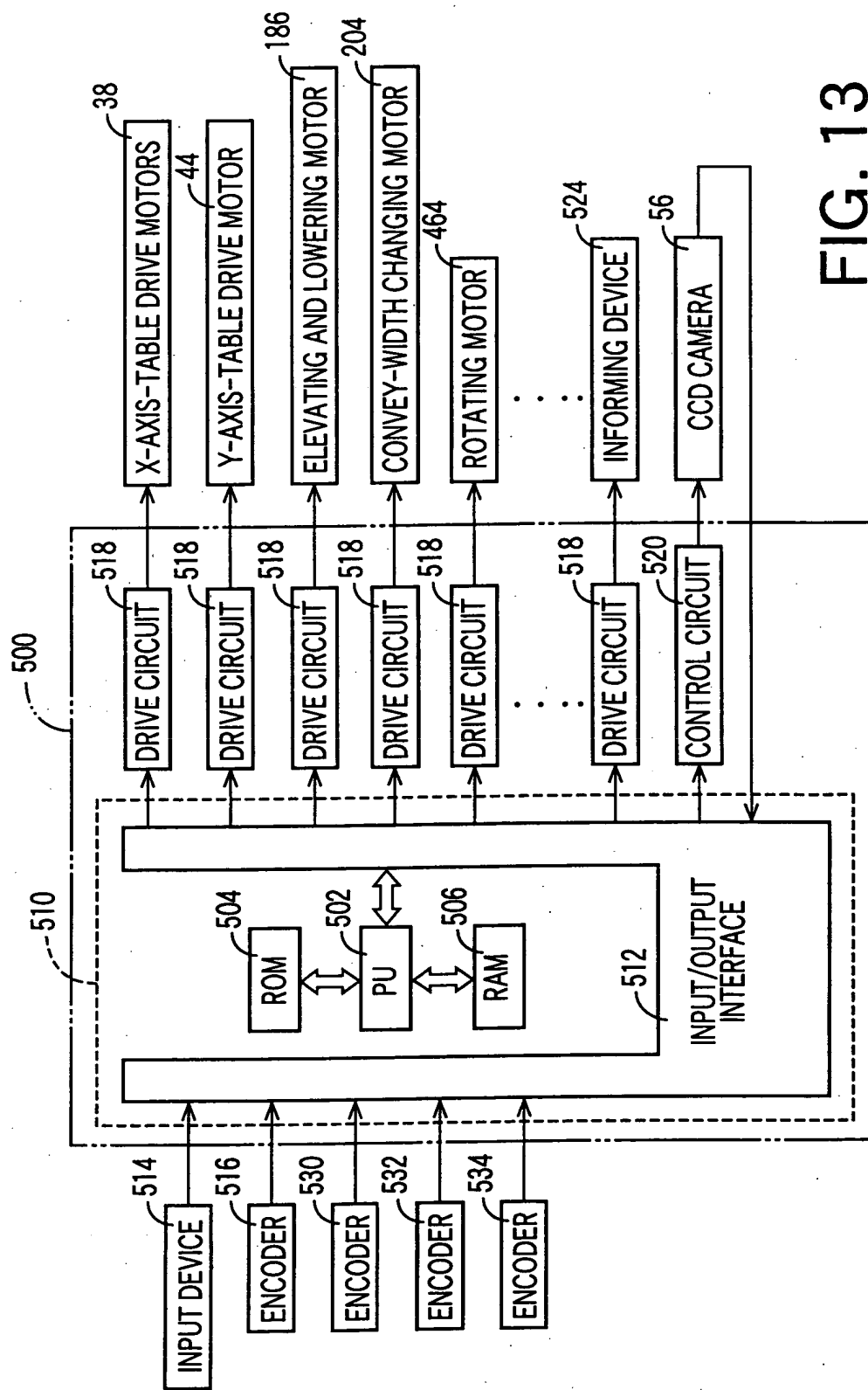


FIG. 13

# FIG. 14

PIN NUMBER np	PIN-SETTING INFORMATION
1	HOLDING PIN (X1, Y1, $\theta$ 1)
2	CLOSING PIN (X2, Y2, $\theta$ 2)
3	CLOSING PIN (X3, Y3, $\theta$ 3)
⋮	⋮
np-1	CLOSING PIN (Xnp-1, Ynp-1, $\theta$ np-1)
np	HOLDING PIN (Xnp, Ynp, $\theta$ np)

# FIG. 15

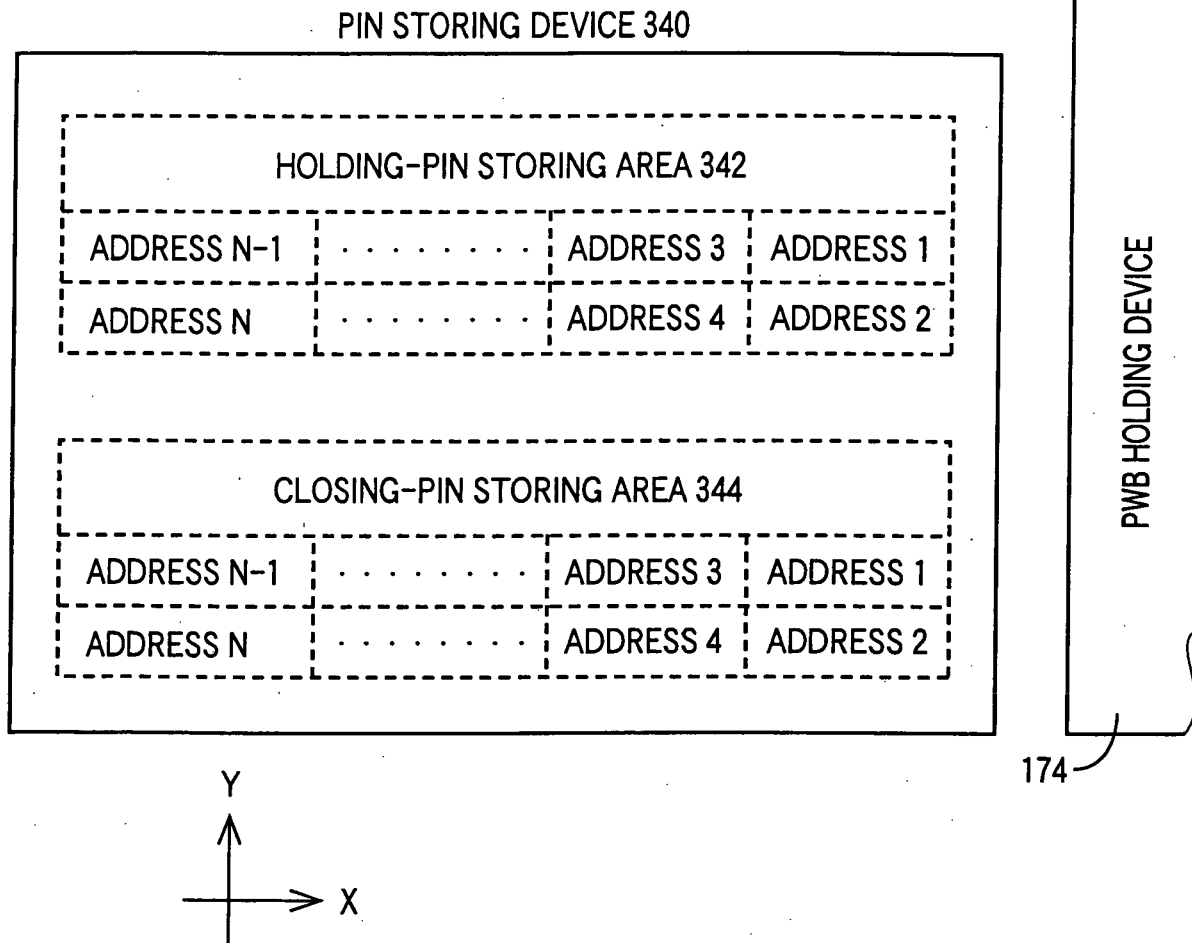


FIG. 16

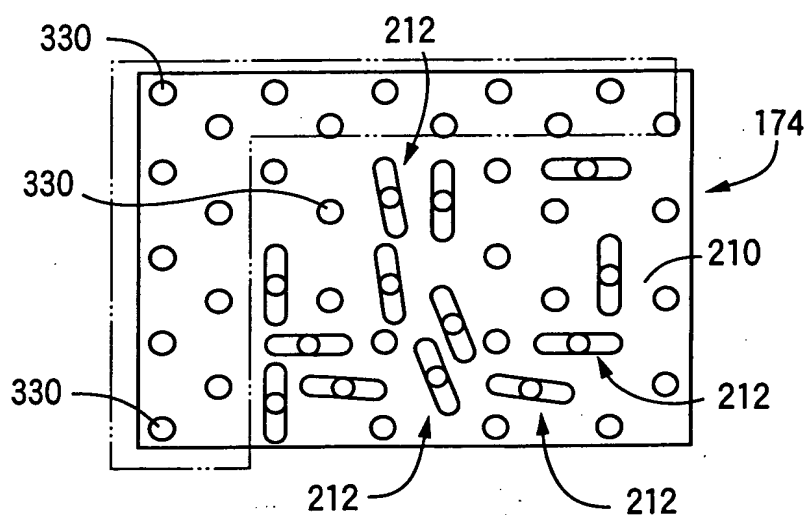
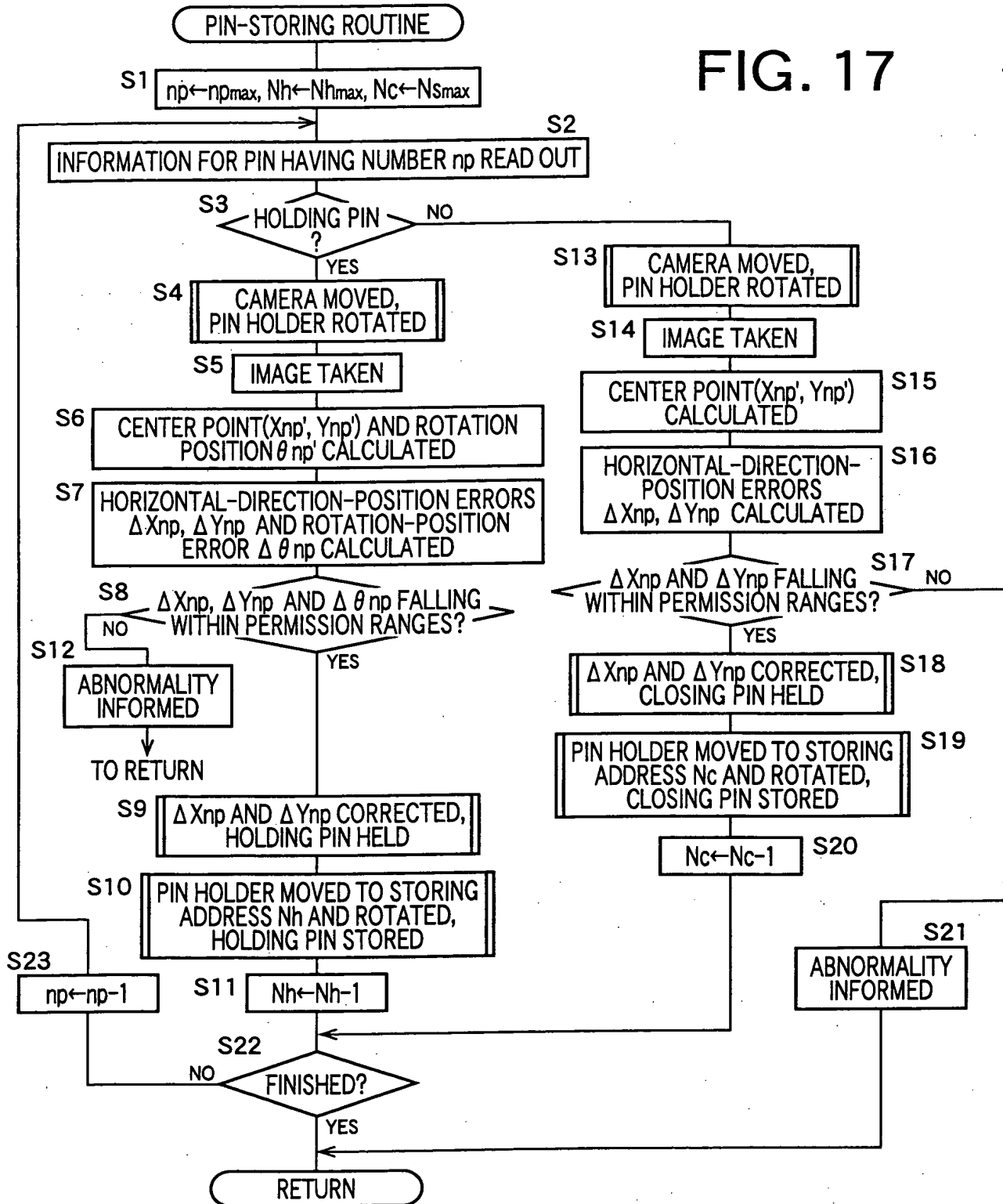


FIG. 17



# FIG. 18

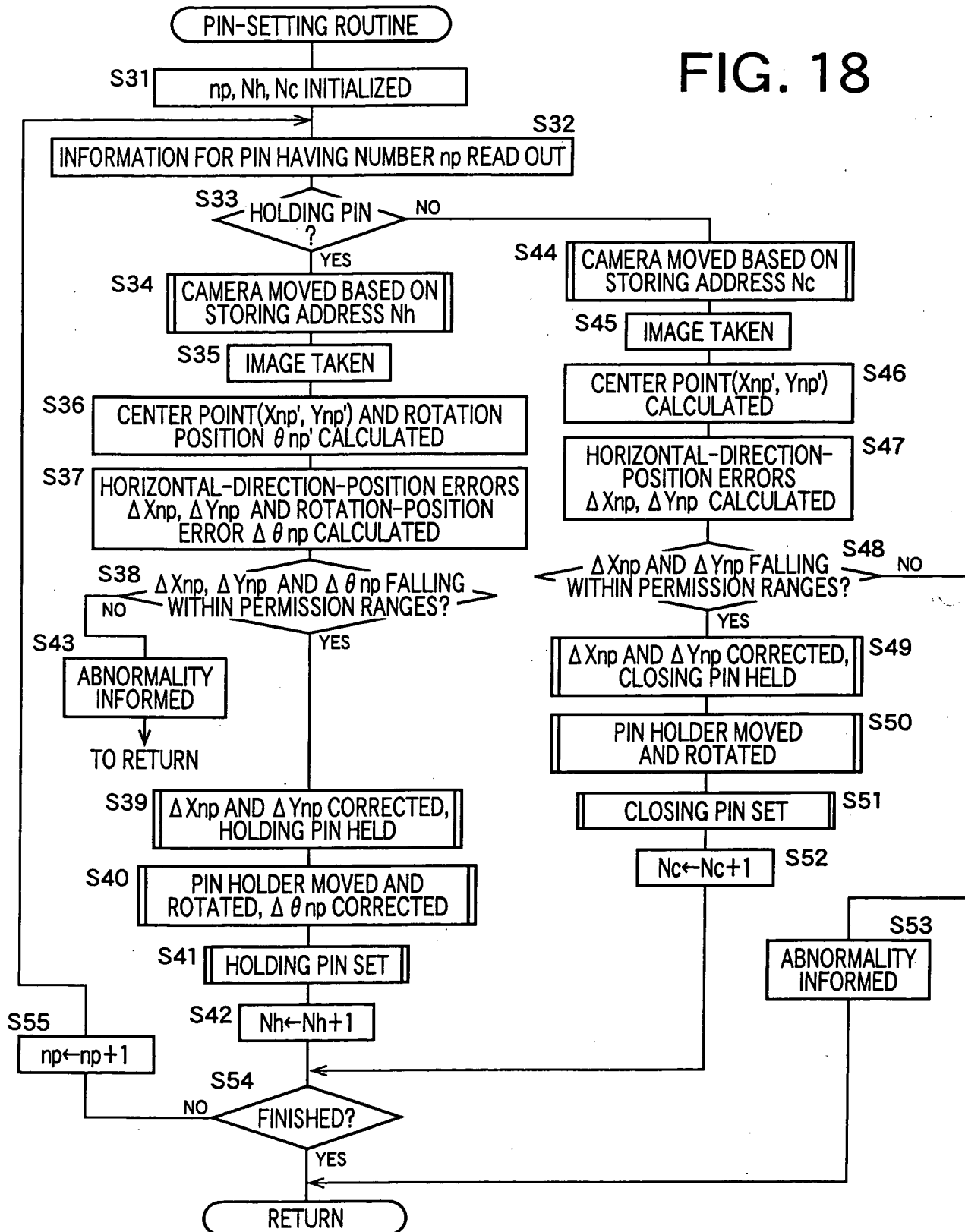
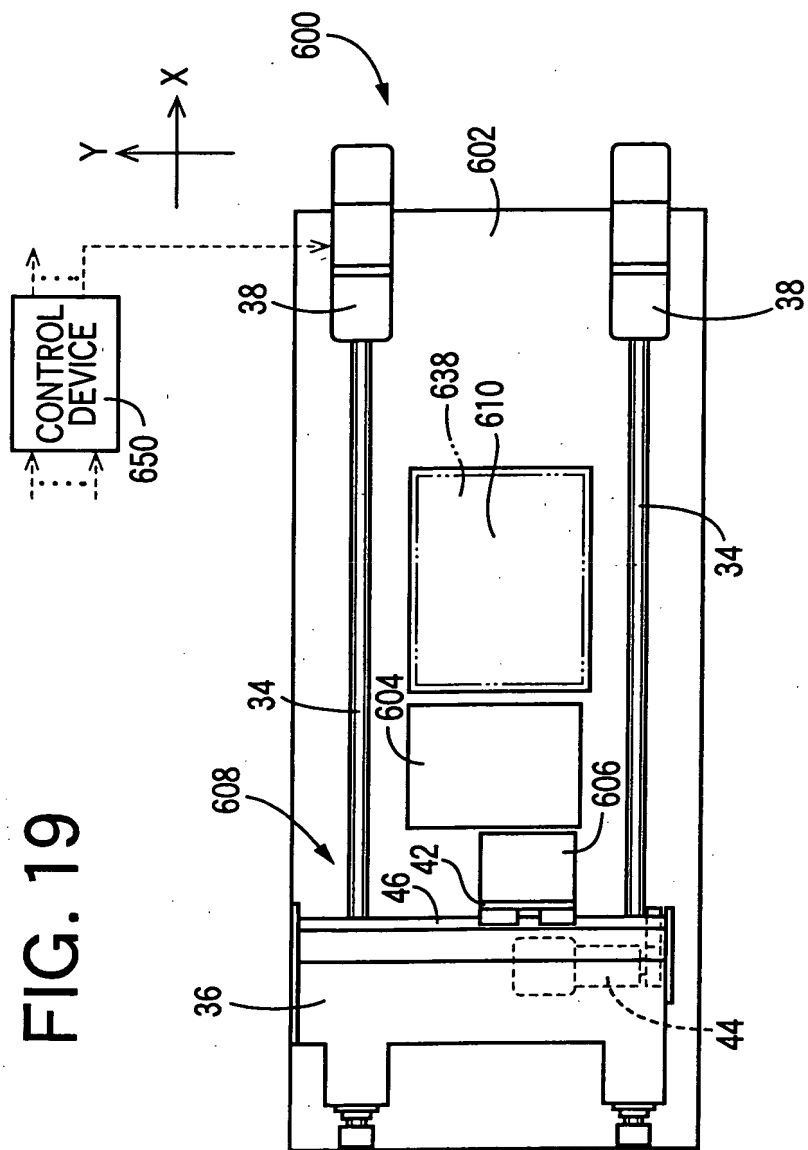




FIG. 19



# FIG. 20

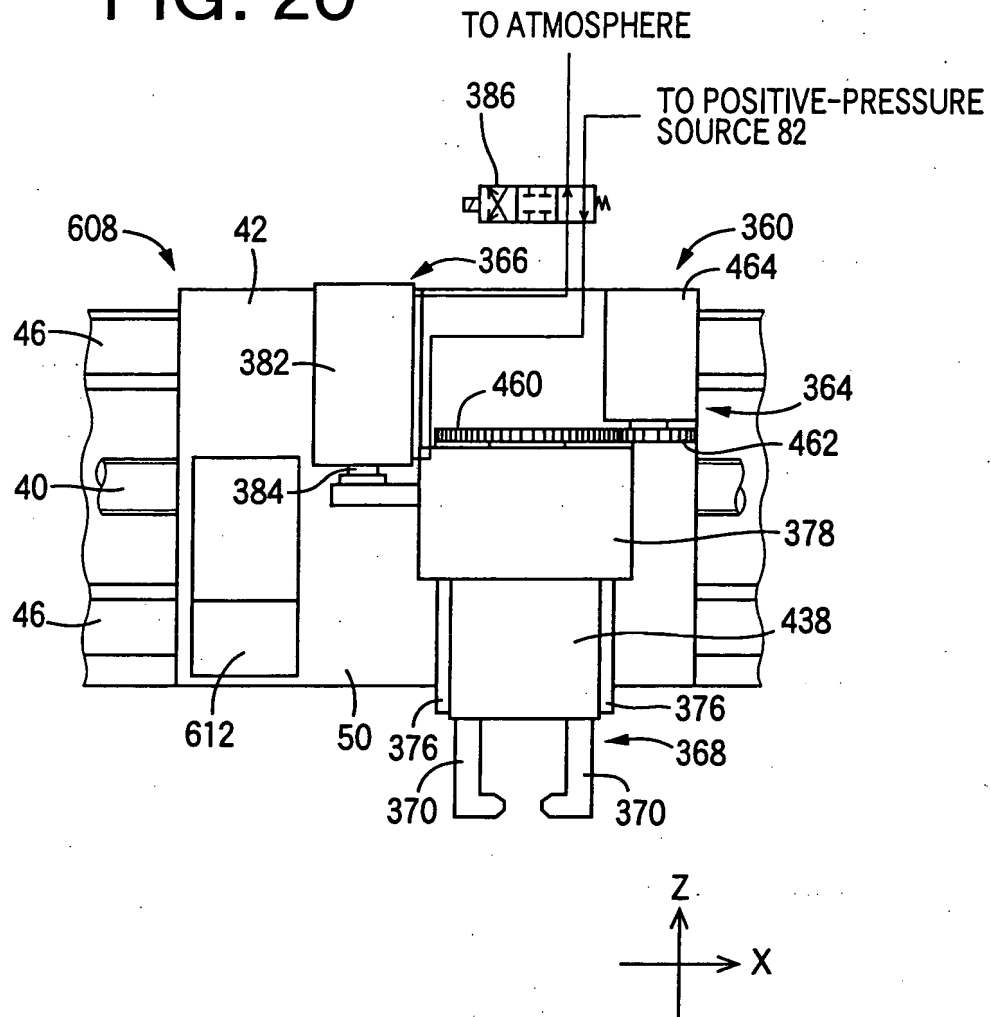


FIG. 21

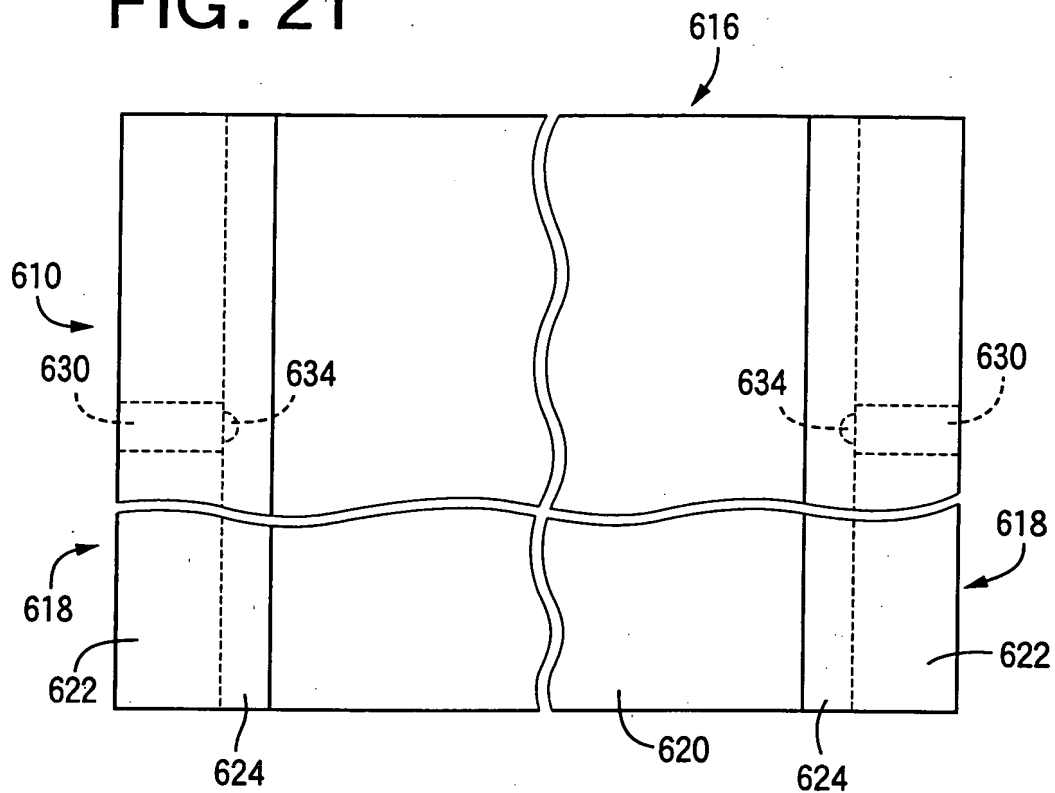


FIG. 22

